

DT05 Rec'd PCT/PTO 08 OCT 2004

PATENT  
Attorney Docket No. 231181

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hegemann et al.

Group Art Unit: Unassigned

Application No. Unassigned  
(National Phase of PCT/EP03/03799)

Examiner: Unassigned

Filed: October 8, 2004

For: USE OF BIOLOGICAL  
PHOTORECEPTORS AS DIRECTLY  
LIGHT-ACTIVATED ION  
CHANNELS

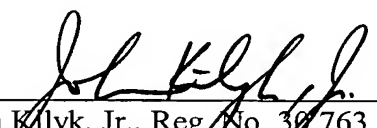
## SUBMISSION OF SEQUENCE LISTING

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the requirements of 37 CFR 1.821-1.825, a sequence listing is being submitted as part of the patent application. The sequence listing is in the form of both a paper copy and a computer readable copy on a computer diskette. The undersigned hereby verifies that the content of the paper copy and the computer readable copy, as concurrently being submitted, are the same.

Respectfully submitted,

  
\_\_\_\_\_  
John Kilyk, Jr., Reg. No. 30,763  
LEYDIG, VOIT & MAYER, LTD.  
Two Prudential Plaza, Suite 4900  
180 North Stetson Avenue  
Chicago, Illinois 60601-6780  
(312) 616-5600 (telephone)  
(312) 616-5700 (facsimile)

Date: October 8, 2004